

#5/A



BOX SEQUENCE
PATENT
2750-1243P

IN THE U.S. PATENT AND TRADEMARK OFFICE

APPLICANT(S): Nickolai ALEXANDROV et al. Conf: 1970
APPLICATION NO.: 09/708,427 GROUP: UNASSIGNED
FILED: November 9, 2000 EXAMINER: UNASSIGNED
FOR: SEQUENCE-DETERMINED DNA FRAGMENTS AND
CORRESPONDING POLYPEPTIDES ENCODED THEREBY

AMENDMENT

Honorable Commissioner of Patents
Washington, D.C. 20231

December 7, 2001

Sir:

In response to the Notice to File Missing Parts of Nonprovisional Application mailed May 8, 2001, the following amendments and remarks are respectfully submitted in connection with the above-identified application.

In the Specification:

Please replace the table beginning on Page 1 line 17 with the following amended table:

A1

| File Name | Date of Creation | File Size |
|-------------------------------------|------------------|-----------|
| 001018 Amended Protein Domain Table | December 6, 2001 | 2.10 MB |
| 2750-1243P Reference Table 1-1 | November 9, 2000 | 9.59 MB |
| 2750-1243P Reference Table 1-2 | November 9, 2000 | 2.85 MB |
| 2750-1243P Reference Table 1-3 | November 9, 2000 | 1.80 MB |
| 2750-1243P Reference Table 1-4 | November 9, 2000 | 2.03 MB |
| 2750-1243P Reference Table 1-5 | November 9, 2000 | 4.68 MB |
| 2750-1243P Reference Table 1-6 | November 9, 2000 | 3.66 MB |
| 2750-1243P Reference Table 1-7 | November 9, 2000 | 1.61 MB |

| | | |
|---|------------------|---------|
| 2750-1243P Reference Table 1-8 | November 9, 2000 | 1.33 MB |
| 2750-1243P Sequence Table 2-1 (SEQ ID NOS: 811-22969) | November 9, 2000 | 77.8 MB |
| 2750-1243P Sequence Table 2-2 (SEQ ID NOS: 22970-35376) | November 9, 2000 | 38.8 MB |
| 2750-1243P Sequence Table 2-3 (SEQ ID NOS: 35377-39929) | November 9, 2000 | 6.56 MB |
| 2750-1243P Sequence Table 2-4 (SEQ ID NOS: 39930-48602) | November 9, 2000 | 9.74 MB |
| 2750-1243P Sequence Table 2-5 (SEQ ID NOS: 48603-60437) | November 9, 2000 | 24.2 MB |
| 2750-1243P Sequence Table 2-6 (SEQ ID NOS: 60438-75726) | November 9, 2000 | 25.2 MB |
| 2750-1243P Sequence Table 2-7 (SEQ ID NOS: 75727-79754) | November 9, 2000 | 7.85 MB |
| 2750-1243P Sequence Table 2-8 (SEQ ID NOS: 79755-85364) | November 9, 2000 | 8.72 MB |

REMARKS

Sequence Listing

Enclosed herewith in full compliance to 37 C.F.R. §§1.821-1.825 is a Sequence Listing submitted on two (2) identical CD-Rs (labeled "Copy 1" and "Copy 2") under 37 C.F.R. §1.821(c) in place of the paper copy. The computer readable form of the Sequence Listing is submitted herewith on one (1) additional CD-R (labeled "Computer Readable Form") as required by §1.821(e). These three (3) identical files of the Sequence Listing file "2750-1243P.ST25.txt" on each CD-R, in no way introduce new matter into the specification.

Also on the two (2) identical CD-Rs labeled "Copy 1" and "Copy 2" is an amended version of the Protein Domain Table, file "001018 Amended Protein Domain Table.txt", submitted in a clean form without markings as to amended material. The amendments to the Protein Domain Table are being made to reference the sequences containing four or more amino acids disclosed in the specification by their SEQ ID NOS. No new matter is introduced by these amendments.

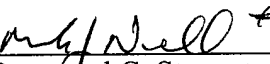
As required under 37 C.F.R. §1.121, a marked-up copy of the Protein Domain Table, file "001018 Marked-Up Protein Domain Table.txt", is enclosed herewith on a fourth compact disk labeled "Disk with Markings". This marked-up copy file shows the matter being added to and the matter being deleted from the Protein Domain Table of record. This file shows the material being added to the Protein Domain Table by including the tags "<u>" before and "</u>" after any amendments that were added to this file. Any material deleted from the Protein Domain Table of record is tagged with a "" before and a "" after the deleted material. No new matter is being added by these amendments.

The format for submitting these amendments made to the Protein Domain Table filed on CD-R and for submitting a marked-up version of the changes made to the Protein Domain Table on CD-R was recommended by Michael Lewis and Joe Narcavage from the Office of Patent Legal Administration who indicated that this was currently the most acceptable format for amending CD-R files. Submitting substitute compact disks gives the Patent Office the advantage of saving the time needed to enter the large volume of amendments in the specification and reducing the number of printing errors. It also saves the Applicant and the Patent Office the space needed to print and store the 800+ pages associated with the paper copy of the file "001018 Amended Protein Domain Table.txt".

A two (2) month extension of time was previously petitioned for and the applicable fees were paid on August 23, 2001. A further three (3) month(s) extension of time to December 8, 2001 for the filing of the present papers in accordance with the provisions of 37 C.F.R. §1.136 and 37 C.F.R. §1.17 has been petitioned for and the applicable fees have been paid in the accompanying response to the Notice to File Missing Parts filed on December 7, 2001 for the present application number.

If the Primary Deposit Account No. 50-1055 is deficient and non-payment will result in a loss of rights, the Commissioner is hereby authorized in this, concurrent and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,
BIRCH, STEWART, KOLASCH & BIRCH, LLP

By  #36,623
Raymond C. Stewart, #21,066
P.O. Box 747
Falls Church, VA 22040-0747
(703) 205-8000

Attachments:

- One (1) CD-R of computer readable form of the Sequence Listing
- Two (2) (identical) CD-Rs containing Sequence Listing (in place of the Paper Copy) and Domain Table
- One (1) CD-R containing the version with markings to show changes made to Domain Table
- Copy of Notice to File Missing Parts of Nonprovisional Application
- Version of Paragraph Amendments Showing changes

RCS/DRN/BCF
2750-1243P